

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03768				SHEET 1 OF 1	
	DWG NO. 41228-202-133		REV: D	PREPARED BY J. GARDINER	DATE: 01/14/13	
	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.					
	DWG TITLE: TRANSFER PUMP MOUNTING PLATE ASSY					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>		QC <i>[Signature]</i>	EFF: CURRENT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED F/N 18, 21 & 55.				

**CONTROL COPY
ISSUED DATE**

JAN 23 2013

55	R	650.0210	1	1	1	1	1	1	DRAIN VALVE NUT		
21	R	601.3401	13	13	13	13	13	13	WASHER	NAS1149D0463J	
18	R	601.3400	3	3	3	3	3	3	NUT	NAS679-A06	△
F/N	TC	PART NUMBER	-006	-005	-004	-003	-002	-001	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY								
DOCUMENTS EFFECTED:									CHANGE CATEGORY	DER REVIEW REQUIRED	
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM									<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	


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REV	DESCRIPTION		
A	INCORPORATED E.O.'S A-1 THRU A-9.	12-05-95	D. PERRY
B	ADDED -003/-004 ASSY; CHANGED NEXT ASSY; ADDED SHEETS 3 & 4; ADDED NOTES 1 & 2; REPLACED 41228-400-010-001 LEAD ASSY & 41228-202-090-001 MOUNTING BKT. 41228-202-136-001 ASSY; ADDED FNDG NLS TO DWG.	06-08-98	
C	ADDED -005 & -006 ASSY'S; ADDED ITEM #2A & #2B 41228-202-148-001 & -002; CHG. P/N OF ITEM #42 41228-200-013-001 TO 11728-200-013-001) DEL- ETED ITEM 41; ADDED SECTION C-C TO SHT 4; ADDED ITEMS 50 THRU 55; UPDATED NEXT ASSY.		
D	INCORPORATED ECN 01896, 01927 & 02989	10-28-10	P. BRAVO

UNINCORPORATED ECN(S)

03768

6	6	6	6	6	6	22	AN960PD4	WASHER		
13	13	13	13	13	13	21	NAS1149D0463J	WASHER		
10	10	10	10	9	9	20	601.1718	WASHER	NAS1149D0363J	
2	2	2	2	2	2	19	AN960JD716	WASHER		△
3	3	3	3	3	3	18	NAS679-A06	NUT		△
1	1	1	1	1	1	17	MS29512-08	O-RING		
1	1	1	1	1	1	16	MS29512-04	O-RING		
1	1	1	1	1	1	15	MS29513-113	O-RING		
1	1	1	1	1	1	14	MS29513-010	O-RING		
1	1	1	1	1	1	13	MS29513-020	O-RING		
				1	1	12	A470-1	DRAIN VALVE		△
				1	1	11	AE1011664H0480	HOSE ASSY		△
3	3	3	3	2	2	10	41228-202-091-001	PROBE GASKET		
1	1	1	1	1	1	9	41228-203-045-001	PLUG		
2	2	2	2	1	1	8	41228-202-091-003	PUMP GASKET		
1	1	1	1	1	1	7	41228-202-136-001	MOUNTING BKT./THERMISTOR LEAD ASSY		
1	1	1	1	1	1	6	41228-202-094-001	FITTING		
1	1	1	1	1	1	5	41228-202-137-001	RETAINER		
		1		1		4	41228-203-005-005	FUEL PROBE		
1	1		1		1	3	41228-203-005-003	FUEL PROBE		
1						2B	41228-202-148-002	TRANSFER PUMP MOUNTING PLATE		
	1					2A	41228-202-148-001	TRANSFER PUMP MOUNTING PLATE		
		1	1			2	11728-200-012-001	TRANSFER PUMP MOUNTING PLATE		
				1	1	1	41228-202-116-001	TRANSFER PUMP MOUNTING PLATE		
×							41228-202-133-006	R/H ASSY		
	×						41228-202-133-005	L/H ASSY		
		×					41228-202-133-004	R/H ASSY		
			×				41228-202-133-003	L/H ASSY		
				×			41228-202-133-002	R/H ASSY		△
					×		41228-202-133-001	L/H ASSY		△
-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC

-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC	
QTY REQ'D							PARTS LIST				
NEXT ASSY(S)							ORIGINAL DATE (MO-DA-YR) 01-26-84	 2800 TEMPLE HEIGHTS DR. OCCOGEON, GA 30286-3815 (770) 724-6300			
							DRAWN BY T. HARVILLE				CHECKER
41228-200-006							DRAWING APPROVAL				
41228-200-005							CONTRACT No.				
41228-200-004							UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLER ± .5°		TRANSFER PUMP MOUNTING PLATE ASSY		
							SIZE B	CAGE CODE 07M26	DWG. No. 41228-202-133	REV D	
							SCALE NONE		SHEET 1 of 6		

- ④ ROCHESTER GAUGES, INC. DALLAS TX.
- ③ (USE WITH MS27212-1-5 ONLY)
- ④ (USE WITH MS27212-1-3 ONLY)
- ① PARKER HANNIFIN CORP. AIRBORNE DIVISION ELYRIA, OHIO
- ④ ALT P/N 800-515-1001S / BELL HELICOPTER FT. WORTH, TX.
- ③ AUTO VALVE, DAYTON, OH.
- ③ SHAW AERO, FT. MEYERS, FLA.
- ⑦ ALT P/N NAS1149D0363J
- ⑥ ALT P/N BACN10JC06
- ⑤ SHAW AERO DEVICES NAPLES FL.
- ④ AEROQUIP JACKSON MICH.
- ③ INSULATOR, F/N 37, SENT AS PART OF FUEL PROBE, F/N 3 OR F/N 4
- ② P/N 41228-202-133-004 REPLACES P/N 41228-202-133-002.
- ① P/N 41228-202-133-003 REPLACES P/N 41228-202-133-001.

NOTES:

1 2 3 4 5 6 7 8

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1	1	1	1	1	1	56	15-716	GASKET		⚠
1	1	1	1	1	1	55	A-588-A	NUT, DRAIN VALVE		
	1		1			54	21228-301-005-005	DECAL		⚠
1		1				53	21228-301-005-004	DECAL		⚠
					1	52	21228-301-005-003	DECAL		⚠
				1		51	21228-301-005-002	DECAL		⚠
2	2	2	2	2	2	50	MS25171-1S	BOOT		
1	1	1	1	1	1	49	601.2182	WASHER	NAS1149D0332J	
1	1	1	1			48	41228-202-087-001	TRANSFER PUMP SPACER RING		
12	12	12	12			47	MS24693-S296	CSK SCREW		
1	1	1	1			46	513B-8B	DRAIN VALVE ELECTRIC		⚠
							A280-1 OR -2	DRAIN VALVE ELECTRIC		⚠
4	4	4	4			45	MS24678-26	CAP SCREW		
1	1	1	1			44	11728-200-015-001	REINFORCEMENT PLATE		
1	1	1	1			43	11728-200-014-001	SPACER RING		
1	1	1	1			42	11728-200-013-001	NUT RING		
1	1	1	1			41	MS27212-1-5	TERMINAL STRIP		
8	8	8	8			40	AN4-5A	BOLT		
2	2	2	2			39	MS24693S272	SCREW		
1	1	1	1	1	1	38	AN815-8D	FITTING		
REF	REF	REF	REF	REF	REF	37	40S20	INSULATOR		
				1	1	36	MS27212-1-3	TERMINAL STRIP		
1	1	1	1	1	1	35	MS29513-270	O-RING		
1	1	1	1	1	1	34	MS21919WF18	CLAMP		
3	3	3	3	1	1	33	MS21919WF3	CLAMP		
3	3	3	3	3	3	32	MS21042-3	NUT		
1	1	1	1	1	1	31	601.1621	SCREW	MS27039-1-08	
1	1	1	1	1	1	30	AN3H-10A	BOLT		
1	1	1	1	1	1	29	1C64-1	TRANSFER PUMP		⚠
2	2	2	2	2	2	28	120-068-13	SEAL Ⓐ		⚠
1	1	1	1	1	1	27	AN3H-7A	BOLT		
1	1	1	1	1	1	26	AN814-4DL	PLUG		
5	5	5	5	5	5	25	AN3-12A	BOLT		
1	1	1	1	1	1	24	AN4H-42A	BOLT		
				12	12	23	AN4-5A	BOLT		
✕	✕	✕	✕	✕	✕		41228-202-133-006	R/H ASSY		
✕	✕	✕	✕	✕	✕		41228-202-133-005	L/H ASSY		
✕	✕	✕	✕	✕	✕		41228-202-133-004	R/H ASSY		
✕	✕	✕	✕	✕	✕		41228-202-133-003	L/H ASSY		
✕	✕	✕	✕	✕	✕		41228-202-133-002	R/H ASSY		
✕	✕	✕	✕	✕	✕		41228-202-133-001	L/H ASSY		
-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC

QTY REQ'D

PARTS LIST

NEXT ASSY(S)

ORIGINAL DATE 01-28-84

DRAWN BY T. HARVILLE

CHECKER

DRAWING APPROVAL

CONTRACT No.

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED

3 PLACE DECIMALS ± .03

3 PLACE DECIMALS ± .010

ANGLES ± .1°

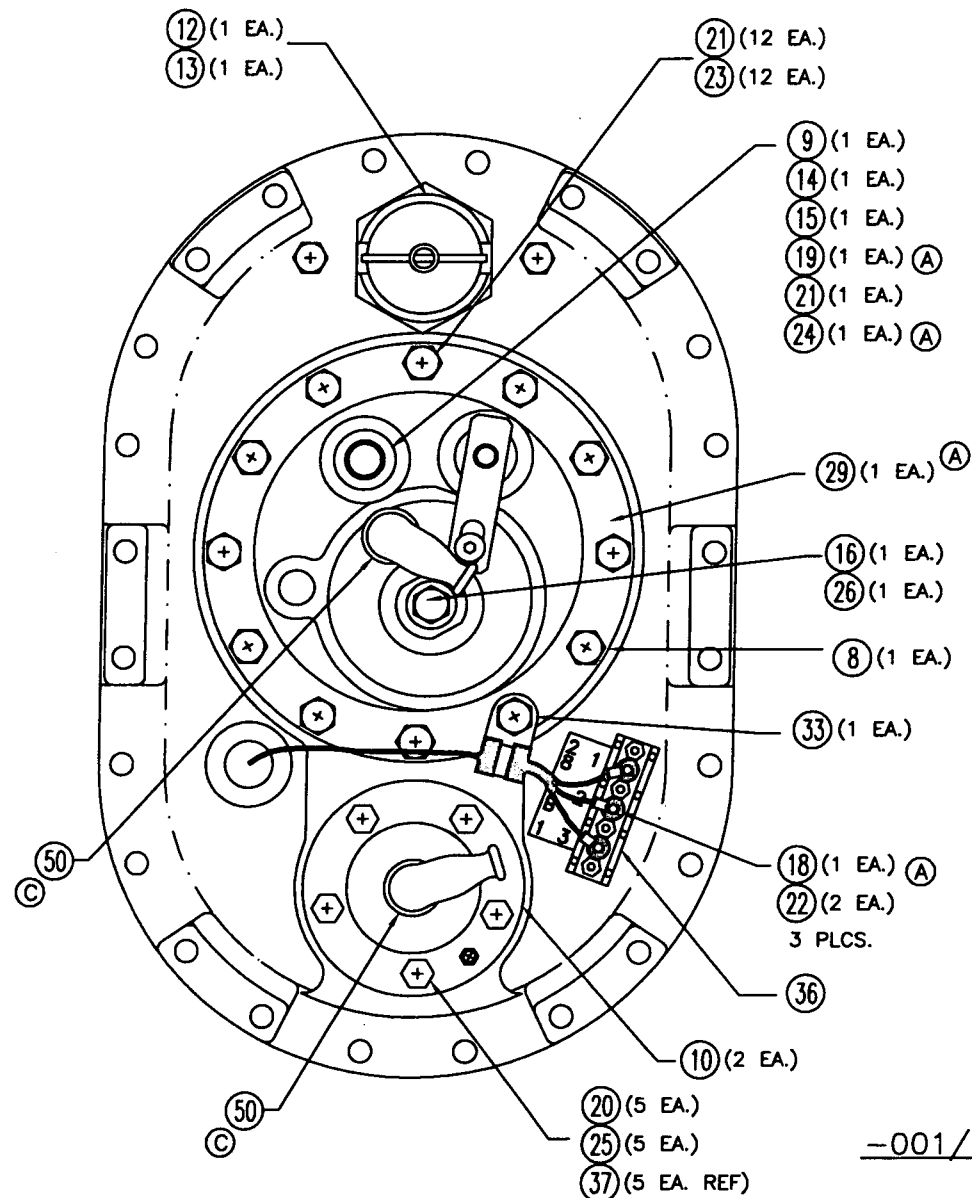


TRANSFER PUMP
MOUNTING PLATE ASSY

SIZE B CAGE CODE 07M26 DWG. No. 41228-202-133

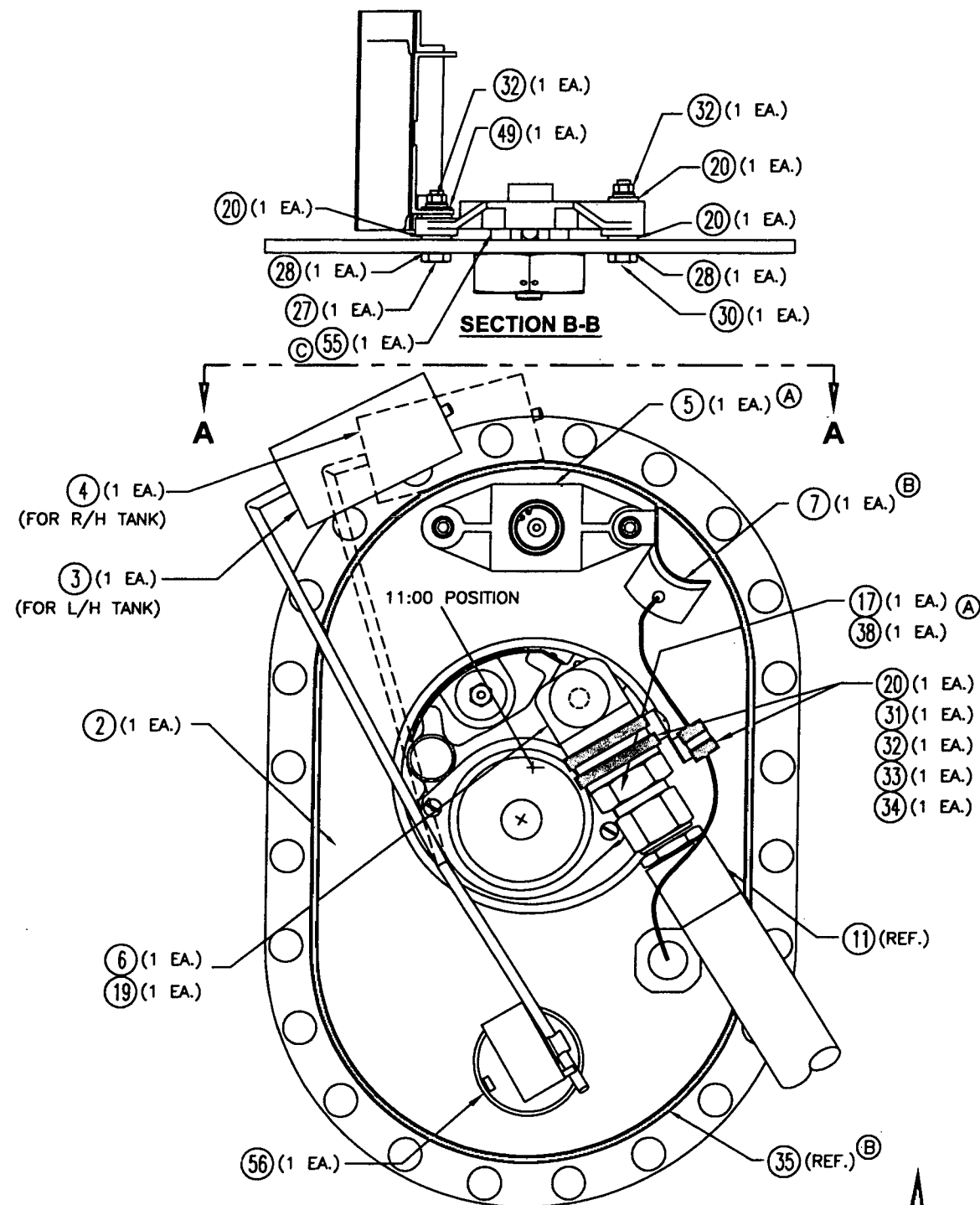
SCALE NONE

SHEET 2 of 6




VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

-001/-002 PLATE ASSY

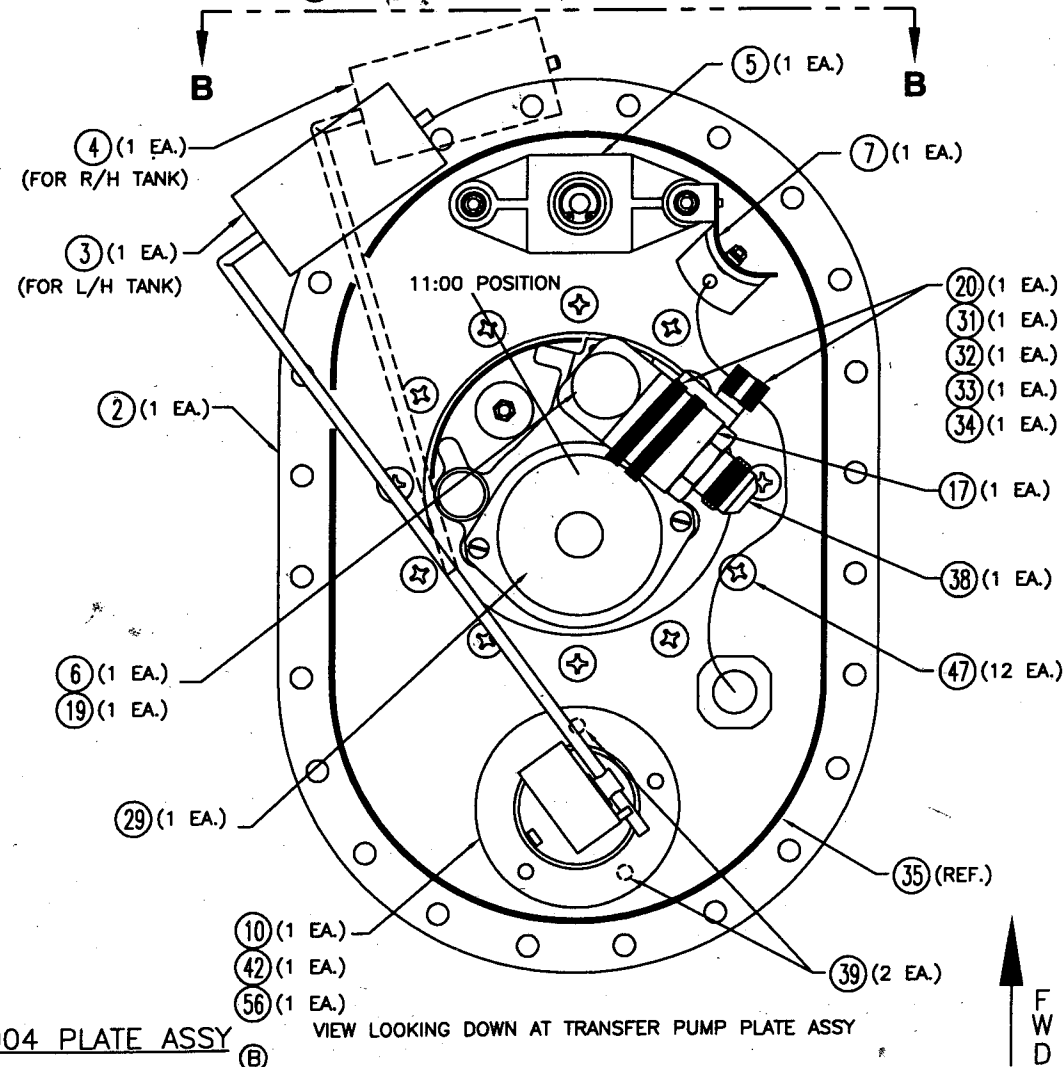
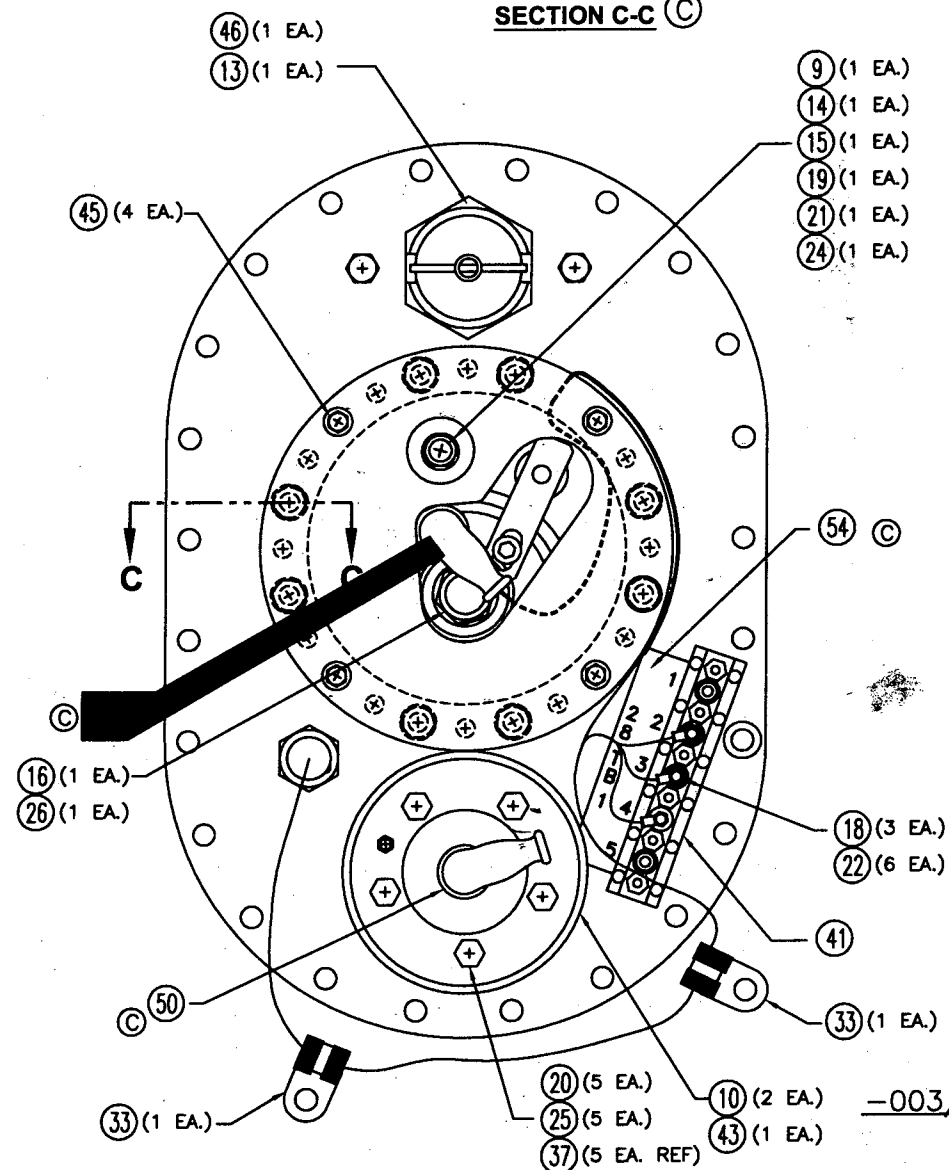
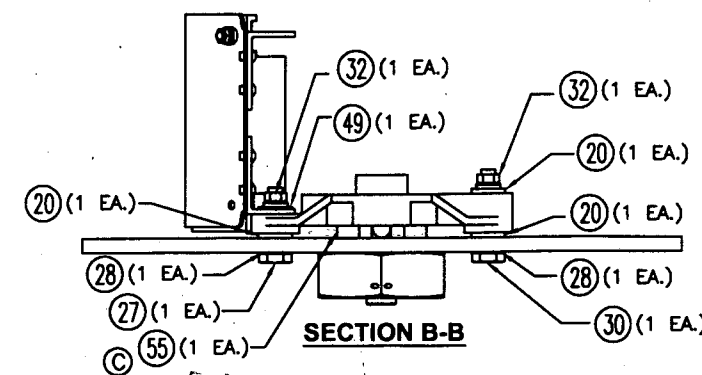
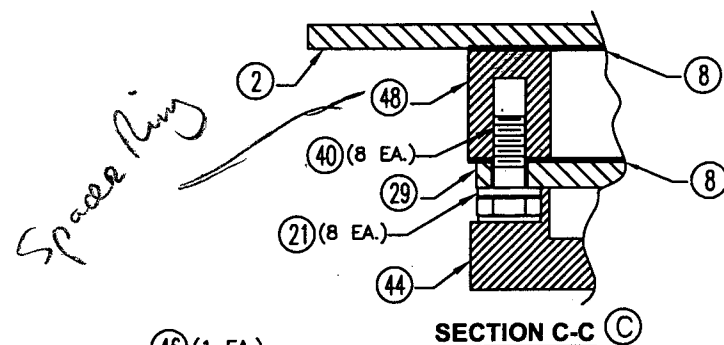


VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

ORIGINAL DATE 01-28-94		 <small>3800 TEMPLE HEIGHTS DR. OCCONOMOC, OH 43030-2012 (716) 794-8300</small>	
DRAWN BY T. HARVILLE			
DRAWING APPROVAL		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON: 3 PLACE DECIMALS ± .005 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B CAGE CODE 07M26 SCALE NONE	DWG. No. 41228-202-133 REV D SHEET 3 of 8

1 2 3 4 5 6 7 8

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-003/-004 PLATE ASSY

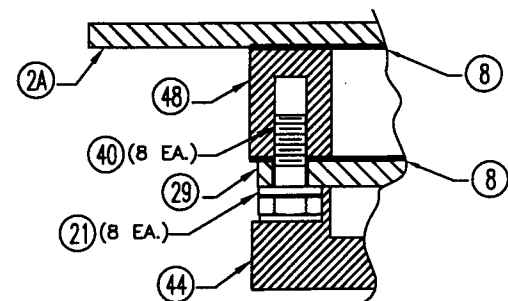
ORIGINAL DATE 01-26-94 (MO-DA-YR)		CHECKER	
DRAWN BY T. HARVILLE		DRAWING APPROVAL	
CONTRACT No.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ± .03 2 PLACE DECIMALS ± .010 ANGLES ± .5°	
SIZE B	CAGE CODE 07MZ6	DWG. No. 41228-202-133	REV D
SCALE NONE		SHEET 4 of 6	

APICAL INDUSTRIES, INC.
3808 TEMPLE HEIGHTS DR.
COLUMBIA, GA 30606-3512 (706) 794-6300

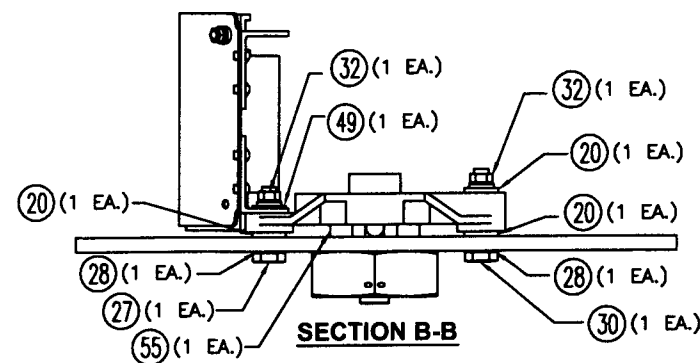
TRANSFER PUMP MOUNTING PLATE ASSY

1 2 3 4 5 6 7 8

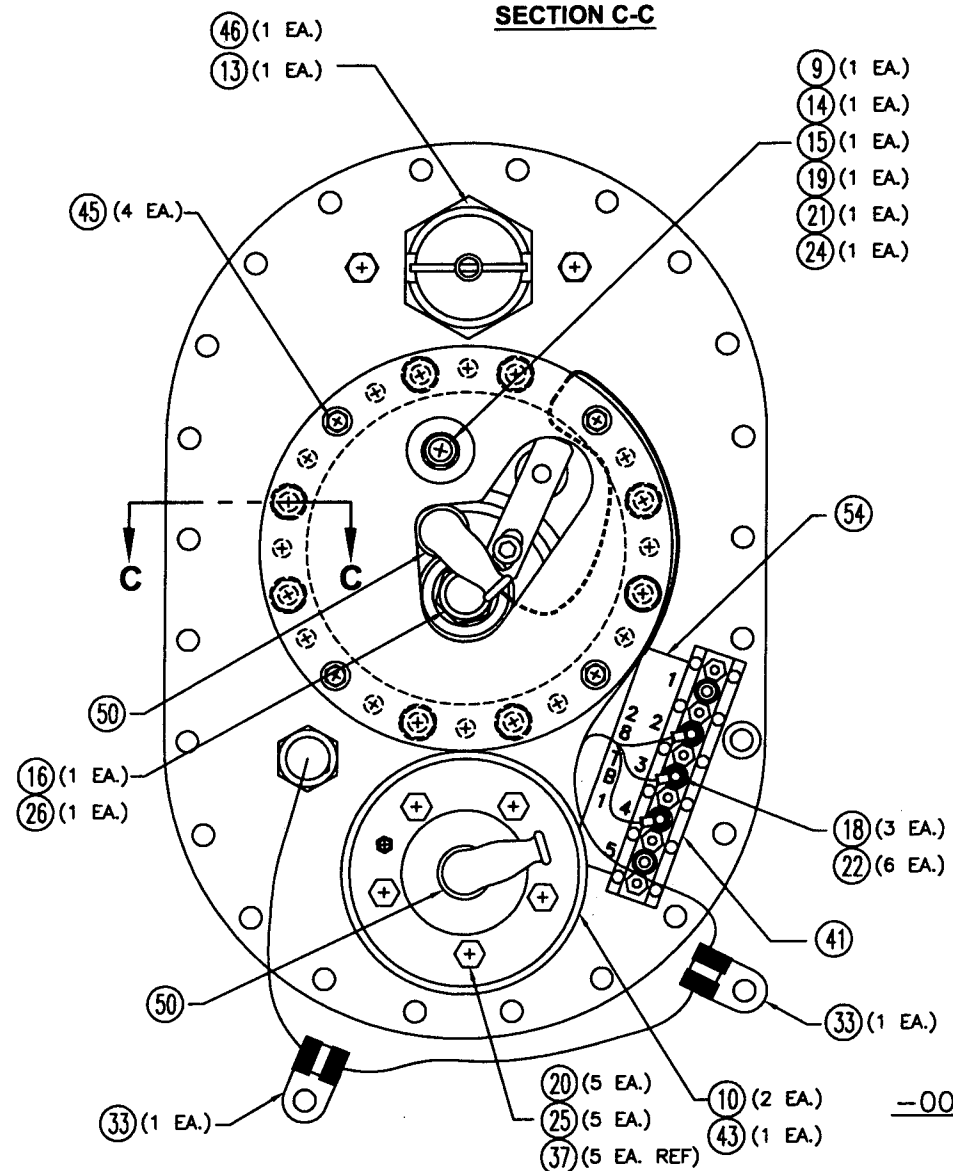
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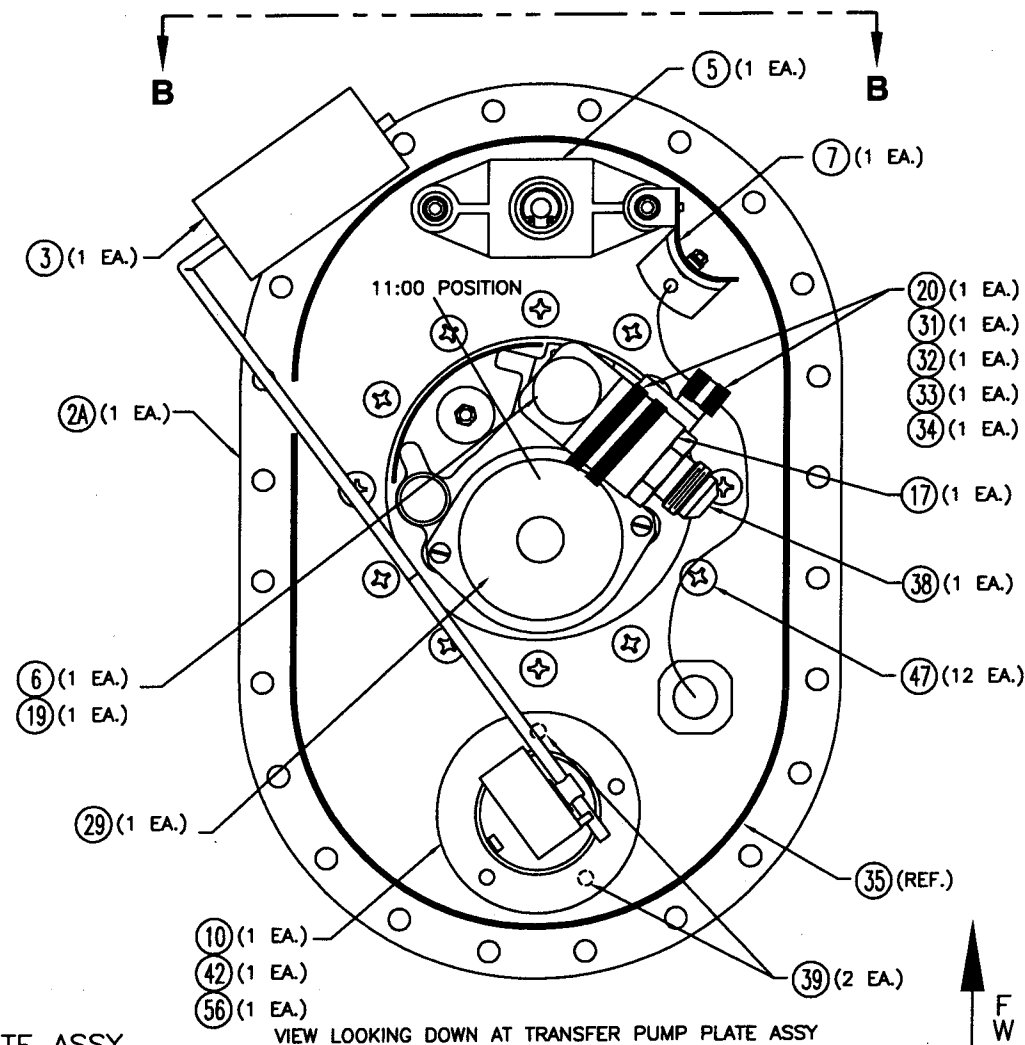
SECTION C-C



SECTION B-B



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY



VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

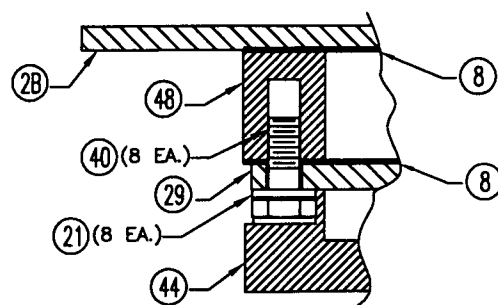
-005 PLATE ASSY

ORIGINAL DATE 01-26-94		CHECKER	
DRAWN BY T. HARVILLE		DRAWING APPROVAL	
CONTRACT No.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°	
SIZE B	CAGE CODE 07M26	DWG. No. 41228-202-133	REV D
SCALE NONE		SHEET 5 of 6	

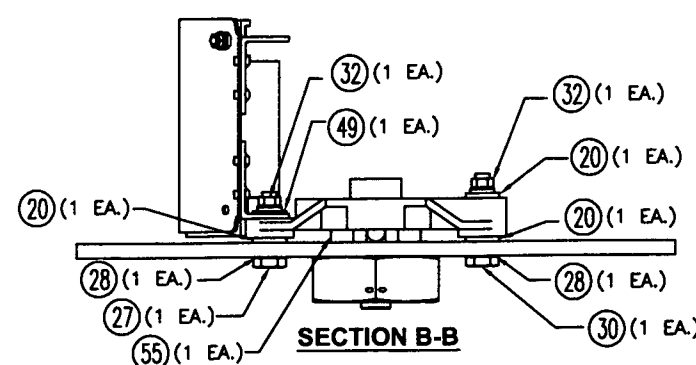
APICAL INDUSTRIES, INC. 2605 TEMPLE HEIGHTS DR. OAKLAND, CA 94612-3013 (916) 734-8300

TRANSFER PUMP MOUNTING PLATE ASSY

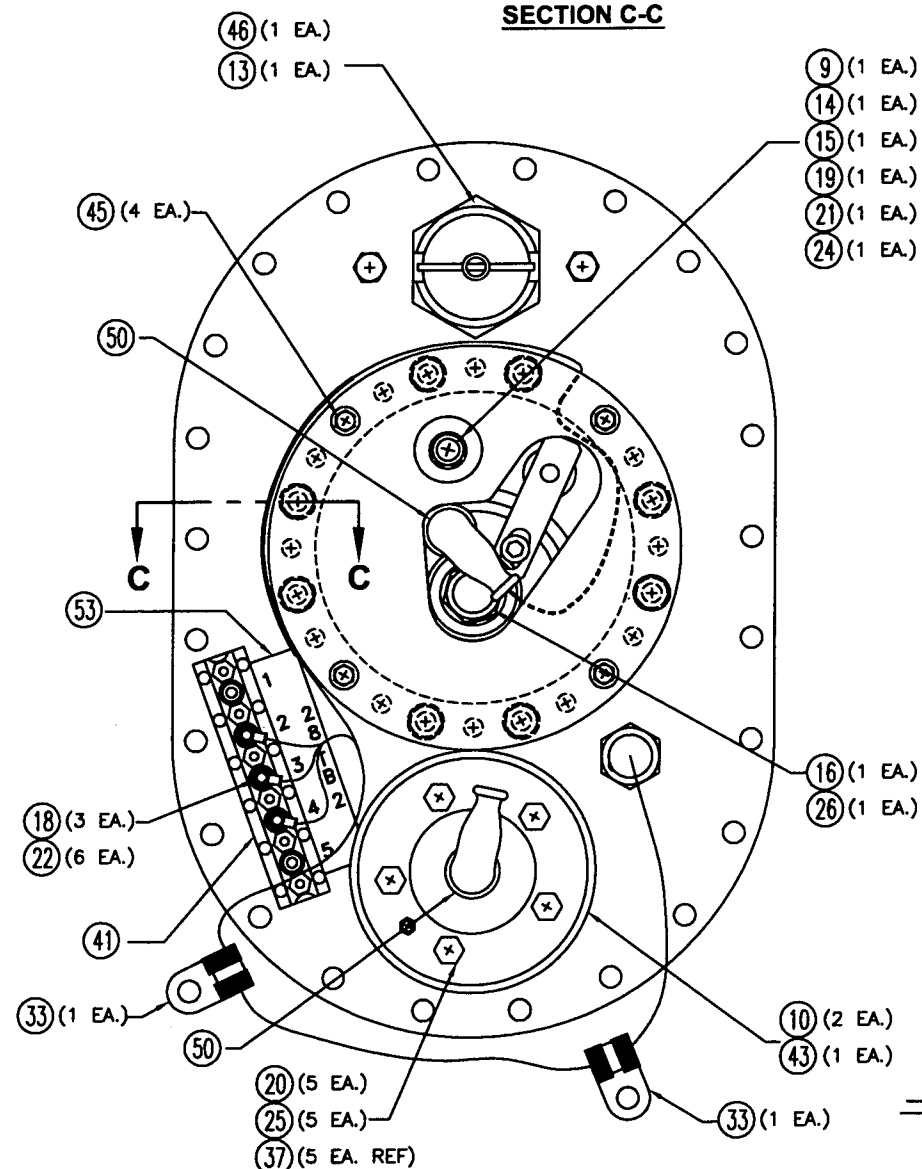
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SECTION C-C

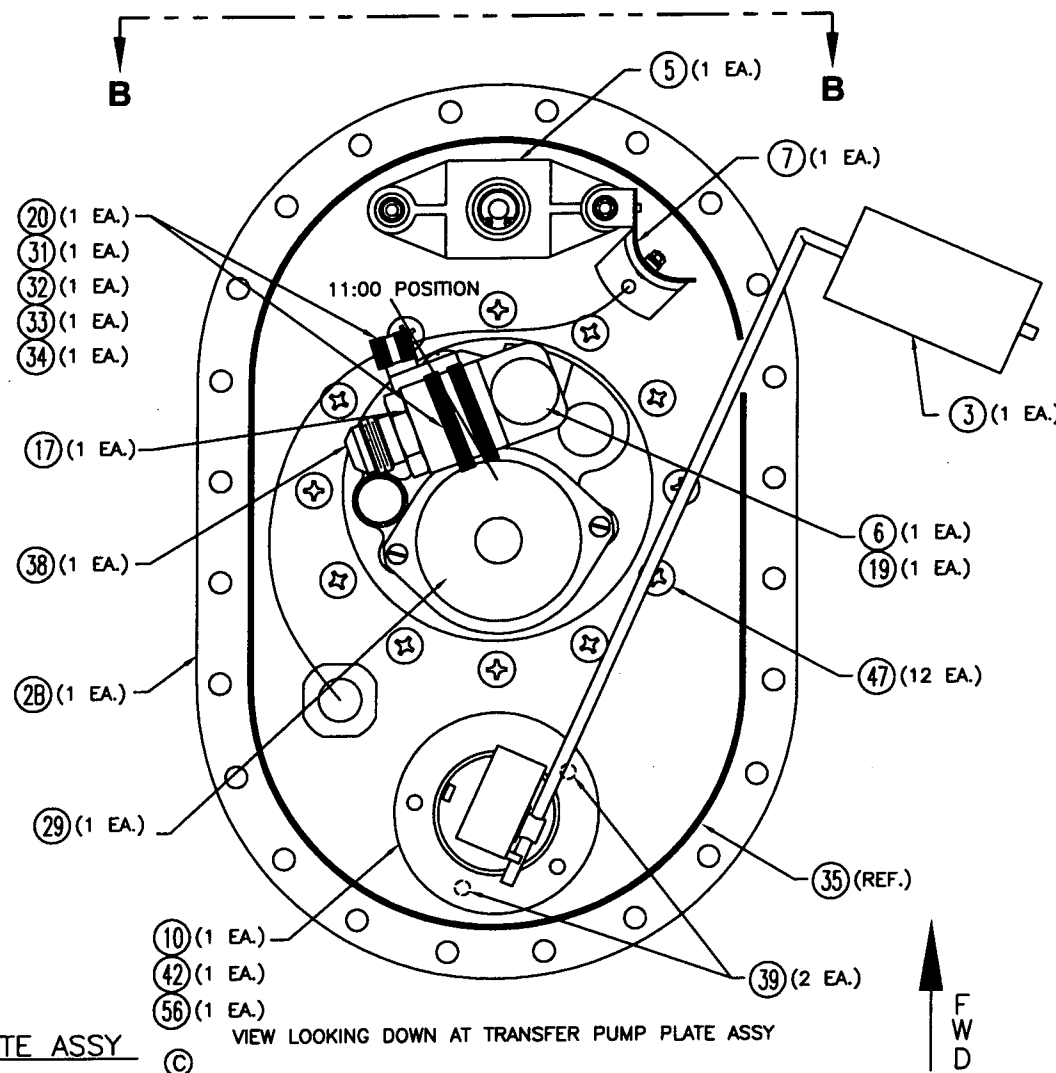


SECTION B-B



VIEW LOOKING UP AT TRANSFER PUMP PLATE ASSY

-006 PLATE ASSY



VIEW LOOKING DOWN AT TRANSFER PUMP PLATE ASSY

ORIGINAL DATE 01-26-94 (MO-DA-YR)		 <small>3000 TEMPLE HEIGHTS DR. COLUMBUS, GA 31906-3011 (706) 794-8200</small>	
DRAWN BY T. HARVILLE CHECKER			
DRAWING APPROVAL		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 3 PLACE DECIMALS ± .003 2 PLACE DECIMALS ± .010 ANGLES ± 1°		SIZE B	CAGE CODE 07M26
		DWG. No. 41228-202-133	REV D
		SCALE NONE	SHEET 6 of 6